Sushant Kumar

✉ sushantshankar08@gmail.com

📞 7022147699/6362588280

📍 Bengaluru,India

in linkedin.com/in/sushant-kumar-562ab1147

Summary

Technical Leader with 12+ years of experience architecting and delivering **large-scale distributed systems** that drive industry-wide impact. Proven track record in leading complex technical initiatives from conception to delivery, specializing in **Data Engineering, Data Platform, and AI/ML product development**. Strong emphasis on **strategic roadmap planning** and **mentorship**.

Professional Experience

2025 – present	**SEM, Data and AI,** *Best Buy*	Bengaluru, India

- Drove a **$600 million revenue initiative**, personally architecting the **customer onboarding orchestrator** during a large-scale **Teradata to GCP migration**. Led a 20-person data engineering team in integrating 30+ security detectors, including external products, establishing secure and efficient data flows on the Google Cloud Platform.
- Scaled a **Security Command Center** within a data engineering capacity, enabling the real-time ingestion and processing of **50 million**+ **asset telemetry records** to serve **33,000+ customers**. This involved leading a 12-engineer team to architect robust, high-volume **data pipelines** and establish critical platform reliability standards for continuous security insights.
- Spearheaded the delivery of a **mission-critical Error Detection and Data Quality & Anomaly Framework**, which generated over **$1 million in savings** for 350+ premium customers within its initial quarter post-launch.
- Designed and deployed an innovative **pay-as-you-go analytical model** to unlock key market insights, successfully expanding our reach to **SMB customers** and establishing new, significant revenue streams.
- Architected and delivered a **Public Configuration API** that streamlined security configurations, initial customer onboarding processes, and AKS cluster provisioning, significantly enabling seamless customer integration.

09/2021 – 03/2025	**Enterprise Data Platform,** *Seven Eleven*	Bengaluru, India

- Worked on Integration of Speedway Migration of data with Seven Eleven.
- Lead a Team of ML/Data Engineers with Personalization/Inventory Management/Item Master/ML initatives succesfully.
- Proposed multiple New ideas to Bring Freshness in Work to GSC Bengaluru.
- Developed a Universal Semantic layer using AtScale, saving $1.2 million by optimizing data access (Tabular and Multi-Dimensional Cube)

- Tech Stack:Data lake, Data Warehousing, Data Modeling, Data Design, Python, AWS, Azure, SQL, dbt, PowerBI, Airflow ,Looker,DataBricks.

11/2019 – 09/2021	**Senior Consultant,** *PwC*	Bengaluru, India

- 2 years of experience as Big Data Developer using Technologies like PySpark, Kafka, AWS, Azure, Java.
- Working expertise in Multiple modules of Data Engineering pipelines and complete ETL proces.
- Strong experience in Designing and Developing Big Data Pipelines for Batch Processing and Real time Streaming Solutions Excellent knowledge on Spark Datasets, to process historical flat/complex data using different sources like HDFS, Amazon S3,ADLS Gen1, ADLS Gen2, Azure Blob and Elastic Search.
- Experience in working on Real time stream analytics use cases with Huge and Complex Data in both Streaming and Batch Processing with multiple environments like AWS
- Tech Stack:Data lake, Data Warehousing, Data Modeling, Data Design, Python, AWS, GCP, SQL, dbt, PowerBI, Airflow , Looker.

07/2018 – 09/2019	**Senior Software Engineer,** *Alshaya Outsourcing Company India*	Bengaluru, India

- 1 years of experience as Big Data Developer using Technologies like PySpark, Kafka, AWS, Azure, Java.
- Working expertise in Multiple modules of Data Engineering pipelines and complete ETL process.
- Tech Stack:Data lake, Data Warehousing, Data Modeling, Data Design, Python, AWS, Azure, GCP, SQL, dbt, PowerBI, Airflow ,Looker.

09/2017 – 07/2018	**Senior Software Engineer,** *HCL*(*Client Alshaya Outsourcing Company India*)	Bengaluru, India

- 1 years of experience as Big Data Developer using Technologies like PySpark, Kafka, AWS, Azure, Java.
- Working expertise in Multiple modules of Data Engineering pipelines and complete ETL process
- Tech Stack:Data lake, Data Warehousing, Data Modeling, Data Design, Python, AWS, Azure, GCP, SQL, dbt, PowerBI, Airflow ,Looker.

02/2014 – 09/2017	**Senior System Engineer,** *Infosys*	Bengaluru, India

- 3.5 years of experience in complete project life cycle
- Good exposure with Agile & Waterfall model of Software DevelopmentLife Cycle.
- Involved in system wide enhancements/maintenance supporting the entire system and fixing the reported bugs

LeaderShip And Impact

Technical Leadership: Led cross functional teams of 20+ Engineers Across multiple high impact initiatives.
Revenue Generation: Drove 600M+ in revenue through Enterprise Data Platform initatives.
Operational Efficiency: Implementaed optimizations Saving 10M+ $ in operationls costs.

Education

06/2009 – 07/2013	**B.Tech,** *WBUT*	Kolkata, India

Skills

Data lake/Data Warehousing/ Data   ● ● ● ● ●
Modeling/ Data Design/
GCP/SQL/dbt/PowerBI/Airflow /Looker.
PySpark/AWS/AZURE/HDFS/HIVE/OOZI
E/TIDAL/SQOOP/KYVOS/Machine
Learning
KAFKA/Python/Unix/Databricks/LLM,
AI, Chatbots/CXO - level presentations/
Data Science, Data Engineering

Projects

7-Bot & Store/Operations Apps
- Migrated 2.3 billion rows for enhanced real-time analytics using Apache Kafka,Databricks, Spark, SQL, and AtScale OLAP,Python, AWS, Azure, GCP, SQL, dbt,PowerBI, Airflow,LookerSolution to save $1.3 million.
- Engineered an AI Chatbot prototype using LangChain, improving enterprise NLP usage.
- Deployed a real-time HR Analyticsframework on GCP, enhancing workforce forecasting and segmentation using PowerBI
- Automated ML pipelines using the Apache Airflow orchestration framework, optimizing processes
- Developed a chatbot using Rasa (deep learning NLP framework) and Google Dialogflow to enable NLP abilities on the search system.
- Led a team to perform Anomaly Detection in Stores on Cash registers and fuel Pump on Microsoft Azure (Cloud) and Databricks,Python, AWS, Azure, GCP, SQL, dbt, PowerBI, Airflow , Looker